

LITTLE COLORADO RIVER BASIN

09395200 DECKER WASH NEAR SNOWFLAKE, AZ

LOCATION.--Lat 34°27'40", long 110°24'15", in SW¹/₄, sec.2, T.12 N., R.18 E., Navajo County, Hydrologic Unit 15020008, at State Highway 277, 19 mi west of Snowflake.

DRAINAGE AREA.--16.5 mi².

Annual peak discharges

| Water year | Date | Annual peak discharge (ft ³ /s) | Discharge codes | Water year | Date | Annual peak discharge (ft ³ /s) | Discharge codes |
|------------|----------|--|-----------------|------------|----------|--|-----------------|
| 1963 | 08-31-63 | 0.5 | | 1970 | 00-00-00 | 0.5 | ES |
| 1964 | 08-02-64 | 74 | | 1971 | 08-04-71 | 349 | |
| 1965 | 01-07-65 | 135 | | 1972 | 12-25-71 | (¹) | |
| 1966 | 12-30-65 | 1,170 | | 1973 | 10-19-72 | (¹) | |
| 1967 | 08-00-67 | 152 | | 1974 | 00-00-74 | 0 | |
| 1968 | 02-00-68 | 60 | | 1975 | 09-00-75 | 1.5 | ES |
| 1969 | 08-00-69 | 2.0 | LT | 1976 | 02-09-76 | (¹) | |

¹Discharge unknown.

Magnitude and probability of instantaneous peak flow based on period of record

| Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent | | | | | |
|--|----------|-----|-----|-----|------|
| 2 | 5 | 10 | 25 | 50† | 100† |
| 50% | 20% | 10% | 4% | 2% | 1% |
| --- | --- | --- | --- | --- | --- |
| Weighted skew | (logs) = | --- | | | |
| Mean | (logs) = | --- | | | |
| Standard dev. | (logs) = | --- | | | |

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

| Main channel slope (ft/mi) | Stream length (mi) | Mean basin elevation (ft) | Forested area (percent) | Soil index | Mean annual precipitation (in) | Rainfall intensity, 24-hour | |
|----------------------------|--------------------|---------------------------|-------------------------|------------|--------------------------------|-----------------------------|--------------|
| | | | | | | 2-year (in) | 50-year (in) |
| 31.1 | 14.9 | 6,660 | 97.0 | 3.0 | 20.0 | 1.9 | 3.6 |

